

WHAT IS CLAIMED IS:

1. A bifurcation stent, comprising:

a tubular member having an inner diameter and an outer diameter defining a wall therebetween, the wall having a geometrical configuration defining a pattern; and

an expandable branch structure formed in the wall of the tubular structure and interrupting the wall pattern, the expandable branch structure having a first ring connected to the tubular member and a second ring connected to the first ring, the first ring being concentric with the second ring,

wherein the first ring and the second ring are movable from an unexpanded configuration to an expanded configuration, in the unexpanded configuration the first and second rings are disposed along the wall and in the expanded configuration the first and second rings extend outwardly from the tubular member.

2. The stent according to claim 1, wherein the tubular member has a longitudinal axis and the expandable branch structure is disposed substantially perpendicular to the longitudinal axis in the expanded configuration.

3. The stent according to claim 1, wherein the tubular member comprises a plurality of undulating rings disposed along the longitudinal axis and the undulating rings are connected by connectors.

4. The stent according to claim 1, wherein the first and second rings have a common axis disposed substantially perpendicular to the longitudinal axis in the unexpanded configuration.

5. The stent according to claim 1, wherein the branch structure includes a support ring.

6. The stent according to claim 23, wherein the support ring comprises a discontinuous portion.